

Applied Physics A

Solids and Surfaces

**Volume A 51
1990**

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Shortened version for use in classifying papers for Applied Physics

General

- 02 Mathematical methods in physics
- 06 Measurement science and metrology
- 07 Specific instrumentation
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 - P Laser action in semiconductors
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 - E Laser beam deflection and focusing
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Solids and Materials

- Akahane T., Chiba T., Shiotani N., Tanigawa S., Mikado T., Suzuki R., Chiwaki M., Yamazaki T., Tomimasu T.:
Stretching of slow positron pulses generated with an electron linac.
Appl. Phys. A 51/2, 146-150 (1990) PACS: 07.77 41.80
- Balynas V., Krotkus A., Stalnionis A., Gorelionok A.T., Shmidt N.M., Tellefsen J.A.:
Time-resolved, hot-electron conductivity measurement using an electro-optic sampling technique.
Appl. Phys. A 51/4, 357-360 (1990) PACS: 72.20
- Baranowski A., Debowska E.:
New evaluation of the angular correlation of positron annihilation spectra for noble and d-transition metals.
Appl. Phys. A 51/1, 23-27 (1990) PACS: 78.70B
- Bauer E.:
Phase transitions in metals on metals.
Appl. Phys. A 51/2, 71-78 (1990) PACS: 68.35M 68.35 68.55
- Black J.E., Janzen A.:
Small rafts of xenon physisorbed on Pt(111): A molecular dynamics study.
Appl. Phys. A 51/2, 121-125 (1990) PACS: 68.35R 82.20
- Brenig W., Küchenhoff S., Kasai H.:
Molecular vibration dynamics in molecule-surface interactions.
Appl. Phys. A 51/2, 115-120 (1990) PACS: 82.20F 68.35
- Browne D.A., Yu B., Kleban P.:
Critical phenomena in nonequilibrium phase transitions.
Appl. Phys. A 51/3, 194-202 (1990) PACS: 68.35R 82.65
- Cerofolini G.F.:
The calorimetric detection of rare events in the cryogenic regime.
Appl. Phys. A 51/6, 467-475 (1990) PACS: 06.00 34.00 65.00
- Desnica U.V., Desnica D.I., Santić B.:
Light-intensity dependence of slow-relaxation phenomena in semi-insulating GaAs.
Appl. Phys. A 51/5, 379-381 (1990) PACS: 71.55E 72.20 72.80
- Doyen G., Koetter E., Vigneron J.P., Scheffler M.:
Theory of scanning tunneling microscopy.
Appl. Phys. A 51/4, 281-288 (1990) PACS: 68.35 73.20 82.65
- Dymant F., Behar M., Dthers H., Grande P.L., Savino E., Zawislak F.C.:
Diffusion of Hf in α -Zr.
Appl. Phys. A 51/1, 29-33 (1990) PACS: 66.10C 66.30
- Eiswirth R.M., Krischer K., Ertl G.:
Nonlinear dynamics in the CO-oxidation on Pt single crystal surfaces.
Appl. Phys. A 51/2, 79-90 (1990) PACS: 68.10I 68.10
- Esme I., Cil C.Z., Aktas G.:
Frequency dependent conductivity in As_2Se_3 and As_2S_3 + 15% Sb.
Appl. Phys. A 51/6, 481-485 (1990) PACS: 72.20
- Esswein A., Griessl M., Hufnagel F., Lebrecht A., Schreier K.:
Disordered charge distributions and dielectric loss in extra dense flint glasses.
Appl. Phys. A 51/5, 382-386 (1990) PACS: 61.40D 61.70 63.50 77.20
- FENG H., WEN J., WANG Hong, WANG Huaufu:
Studies of absorption spectra and the photovoltaic effect in LiNbO_3 : Mg:Fe crystals.
Appl. Phys. A 51/5, 394-397 (1990) PACS: 78.50E 72.40
- Gadzuk J.W.:
Pumping and probing: Vibrational relaxation in time domain spectroscopy.
Appl. Phys. A 51/2, 108-114 (1990) PACS: 68.35J
- Gundusharma U.M., Secco E.A.:
Fast Na^+ ion conductivity in glass, intermediate and crystalline phases of $\text{Na}_2\text{UO}_2(\text{SO}_4)_3$.
Appl. Phys. A 51/1, 7-12 (1990) PACS: 66.30 61.40
- Hähner G., Toennies J.P., Wöll Ch.:
Normal modes of CO adsorbed on metal surfaces.
Appl. Phys. A 51/3, 208-215 (1990) PACS: 68.35J 68.45
- Hakim M.B., Woodgate B.E.:
Curved crystal analysis using a triple-crystal X-ray spectrometer.
Appl. Phys. A 51/5, 369-373 (1990) PACS: 61.10 61.70
- Henn F.E.G., Giuntini J.C., Zanchetta J.V.:
Frequency-dependent protonic conduction and high resolution ^1H NMR of KDP around 298 K.
Appl. Phys. A 51/6, 455-458 (1990) PACS: 05.60 32.40
- Hoheisel W., Schulte U., Vollmer M., Träger F.:
Metal particles on surfaces - desorption, optical spectra, and laser-induced size manipulation.
Appl. Phys. A 51/4, 271-180 (1990) PACS: 36.40 79.20 82.65 68.45
- Holtmann L., Unland M., Krätzig E., Godefroy G.:
Conductivity and light-induced absorption in BaTiO_3 .
Appl. Phys. A 51/1, 13-17 (1990) PACS: 61.70 72.40 78.20
- Horn K.:
Semiconductor interface studies using core and valence level photoemission.
Appl. Phys. A 51/4, 289-304 (1990) PACS: 73.40L 73.30 73.60
- Huber T.E., Huber C.A.:
Infrared absorption of H_2 adsorbed on porous glass, silica gel, and MgO .
Appl. Phys. A 51/2, 137-140 (1990) PACS: 82.65M 33.20
- JIANG X., Goodman D.W.:
Dissociative adsorption of alkanes on clean and sulfur-modified surfaces.
Appl. Phys. A 51/2, 99-107 (1990) PACS: 82.65J 81.40
- Kreuzer H.J., Zhang J.:
Kinetic lattice gas model: Langmuir, ising and interaction kinetics.
Appl. Phys. A 51/3, 183-190 (1990) PACS: 82.63D 68.10
- Lee C.H., Sheu E.Y., Liang K.S., D'Amico K.L., Unertl W.N.:
Kinetics of domain wall pinning in an incommensurate Pb overlayer on a $\text{Cu}(110)$ surface.
Appl. Phys. A 51/3, 191-193 (1990) PACS: 68.35R 82.65 68.10
- LI F.-b.:
Compact solution for a multizone BCS and TTN crack model.
Appl. Phys. A 51/4, 327-331 (1990) PACS: 62.20
- LI F.-b.:
Interacting diffusion of two dopants through crystalline silicon.
Appl. Phys. A 51/5, 398-404 (1990) PACS: 68.35F
- Marinelli Massimo, Murtas F., Mecozzi M.G., Zammit U., Pizzoferrato R., Scudieri F., Martellucci S., Marinelli Marco:
Simultaneous determination of specific heat, thermal conductivity and thermal diffusivity at low temperature via the photopyroelectric technique.
Appl. Phys. A 51/5, 387-393 (1990) PACS: 78.20H 74.30
- Menai A., Huguenin D., Bernardini J., Moya G., Moser P.:
A positron lifetime study in quenched $\text{Pb}(\text{Ag})$ alloys.
Appl. Phys. A 51/2, 141-145 (1990) PACS: 78.70B 61.70
- Menzel D.:
Valence and core excitations in rare gas mono- and multilayers: Production, decay and desorption of neutrals and ions.
Appl. Phys. A 51/3, 163-171 (1990) PACS: 79.20 82.20
- Miragliotta J., Polizotti R.S., Rabinowitz P., Cameron S.D., Hall R.B.:
Infrared-visible sum-frequency generation spectra of CO on $\text{Ni}(100)$.
Appl. Phys. A 51/3, 221-225 (1990) PACS: 82.65M 42.65
- Mitrović M.M., Ristić R.I., Ćirić I.:
The influence of a magnetic field on the mosaic spread and growth rate of small Rochelle salt crystals.
Appl. Phys. A 51/5, 374-378 (1990) PACS: 61.10 61.50
- Moreh R.:
Study of surface-molecule interactions using nuclear resonance photon scattering.
Appl. Phys. A 51/3, 203-207 (1990) PACS: 85.65 25.70
- Murray D.C., Carter J.C., Evans A.G.R.:
CMOS 1/f noise: n-channel vs p-channel.
Appl. Phys. A 51/4, 337-339 (1990) PACS: 73.40Q 61.70
- Muthe K.P., Sinha S.K., Gadkari S.C., Sabharwal S.C., Gupta M.K.:
Phase formation and crystallization in Bi-Sr-Ca-Cu-O thick films.
Appl. Phys. A 51/1, 65-67 (1990) PACS: 74.90
- Norström H., Maex K., Vanhellemont J., Brijis G., Vandervorst W., Smith U.:
Simultaneous formation of contacts and diffusion barriers for VLSI by rapid thermal silicidation of TiW.
Appl. Phys. A 51/6, 459-466 (1990) PACS: 81.15 81.40 68.55

- Ohno Y., Nakamura T., Kita H.:
Angle and speed distributions of hydrogen desorbing thermally from metal surfaces: II. Application to D_2 desorbing from a Ni(111) surface.
Appl. Phys. A 51/1, 35-47 (1990) PACS: 68.10J 68.45 82.20
- Pavlovskaya A., Bauer E.:
The structure and dynamics of crystal surfaces at high temperatures.
Appl. Phys. A 51/3, 171-182 (1990) PACS: 68.35B
- Posselt M., Feudel T., Thäter G.:
Simulation of range profiles for boron implantation into SiO_2/Si and $Si_3N_4/SiO_2/Si$ targets.
Appl. Phys. A 51/1, 1-5 (1990) PACS: 61.70T 61.80 79.20
- Powell A.V., Dickens P.G.:
An incoherent inelastic neutron scattering study of NH_4TaWO_6 .
Appl. Phys. A 51/3, 226-230 (1990) PACS: 61.12
- Prusseit-Elfröth W., Schwabl F.:
Second harmonic light scattering in paraelectric perovskites.
Appl. Phys. A 51/5, 361-368 (1990) PACS: 78.30 42.65 77.80 61.70
- Ramos S.M.M., Amaral L., Behar M., Brunel M., Marest G., Elkhakani M.A., Moncoffre N., Toussef J., Vasquez A., Zawislak F.C.:
He and Ar post-bombardment effects on carbonitrides formed in a Cr-rich steel.
Appl. Phys. A 51/6, 476-480 (1990) PACS: 76.80 79.20 81.30
- Richardson N.V., Jones T.S.:
The angular behaviour of electrons inelastically scattered from the shape resonance for CO chemisorbed on Ni(110).
Appl. Phys. A 51/2, 126-131 (1990) PACS: 82.65Y 68.45 79.20
- Schaefer J.A.:
Microscopic structure of semiconductor surfaces.
Appl. Phys. A 51/4, 305-316 (1990) PACS: 81.40 82.30 82.80
- Schuppler S., Fischer N., Fauster Th., Steinmann W.:
Bichromatic two-photon photoemission spectroscopy of image potential states on Ag(100).
Appl. Phys. A 51/4, 322-326 (1990) PACS: 73.20A 79.60 79.20
- Strzalkowski I., Marczewski M., Kowalski M., Wislowski J.:
Low field DC investigation of hot carrier trapping in silicon dioxide films.
Appl. Phys. A 51/1, 19-22 (1990) PACS: 73.60H 72.20
- Suttrop W., Pensl G., Lanig P.:
Boron-related deep centers in 6H-SiC.
Appl. Phys. A 51/3, 231-237 (1990) PACS: 71.55H
- Thevuthasan S., Unertl W.N.:
Depth dependence of the anomalous thermal behavior of Cu(110).
Appl. Phys. A 51/3, 216-220 (1990) PACS: 68.35R 68.35
- Tüshaus M., Berndt W., Conrad H., Bradshaw A.M., Persson B.:
Understanding the structure of high coverage CO adlayers.
Appl. Phys. A 51/2, 91-98 (1990) PACS: 68.35R 82.65
- Verwerf M., Tendeloo G. van, Landuyt J. van, Amelinckx S.:
Short range order in high- T_c superconductors investigated by electron diffraction.
Appl. Phys. A 51/4, 332-336 (1990) PACS: 61.14F 74.70
- Voigt J., Ding X.L., Fink R., Krausch G., Luckscheiter B., Platzer R., Wöhrmann U., Schatz G.:
Magnetic hyperfine fields in ultrathin Ni films on Cu(100).
Appl. Phys. A 51/4, 317-321 (1990) PACS: 75.70 76.80 68.55
- Witan K., Borgmann D., Wedler G.:
Combination of temperature-programmed thermal desorption and laser-induced thermal desorption.
Appl. Phys. A 51/2, 132-136 (1990) PACS: 68.10J 82.20
- Wittmer M.:
Carrier recombination and high-barrier Schottky diodes on silicon.
Appl. Phys. A 51/6, 451-454 (1990) PACS: 73.30 73.50 73.40
- Strelchuk V.V.:
Raman scattering in ion-implanted silicon exposed to RF-plasma treatment.
Appl. Phys. A 51/5, 434-436 (1990) PACS: 78.30G 61.70
- Beauvais J., Galarneau P., Lessard R.A., Knystautas E.J.:
Discontinuous behaviour in the optical recording properties of He implanted Te thin films.
Appl. Phys. A 51/6, 515-519 (1990) PACS: 42.30 78.65 61.70
- Bernede J.C., Pouzet J., Alaoui Z.K.:
Preparation and characterization of molybdenum diselenide thin films.
Appl. Phys. A 51/2, 155-159 (1990) PACS: 68.55 73.60
- CHEN C., TSONG T.T.:
Structure transformation of Ir clusters on Ir surfaces.
Appl. Phys. A 51/5, 405-410 (1990) PACS: 68.55R 61.50 68.35 82.60
- Corts T., Bolse W., Osipowicz T., Lieb K.P.:
Ion beam mixing and sputtering of Kr-irradiated TiN films measured by RBS, RNRA, and PIXE.
Appl. Phys. A 51/6, 537-545 (1990) PACS: 61.80 68.48 79.20
- Elmers H.J., Gradmann U.:
Magnetic anisotropies in Fe(110) films on W(110).
Appl. Phys. A 51/3, 255-263 (1990) PACS: 75.30E 75.30
- Garcia B.J., Martinez J., Piqueras J.:
Laser melting of GaAs covered with thin metal layers.
Appl. Phys. A 51/5, 437-445 (1990) PACS: 61.70T 79.20 72.80
- Haug A.:
Phonon-assisted Auger recombination in quantum well semiconductors.
Appl. Phys. A 51/4, 354-356 (1990) PACS: 79.20F 73.20 42.55
- Herminghaus S., Leiderer P.:
Surface plasmon enhanced transient thermoreflectance.
Appl. Phys. A 51/4, 350-353 (1990) PACS: 07.60 42.80 61.80
- Holzschuh H., Suhr H.:
Deposition of copper oxide (Cu_2O , CuO) thin films at high temperatures by plasma-enhanced CVD.
Appl. Phys. A 51/6, 486-490 (1990) PACS: 81.15G 52.90 68.55
- Jouanne M., Sekine T., Julien C.:
Spectroscopic evidence of Co-insertion of carbon atoms into Li intercalated layered compounds.
Appl. Phys. A 51/4, 347-349 (1990) PACS: 68.65 78.30
- Kirichenko N., Piglmayer K., Bäuerle D.:
On the kinetics of non-equimolecular reactions in laser chemical processing.
Appl. Phys. A 51/6, 498-507 (1990) PACS: 42.50 68.00 82.65
- Kögler R., Wieser E., Otto G., Knothe P.:
Rapid thermal annealing of high dose arsenic-implanted silicon.
Appl. Phys. A 51/1, 53-59 (1990) PACS: 61.70T 66.30
- Kreuzer H.J.:
Theory of surface processes.
Appl. Phys. A 51/6, 491-497 (1990) PACS: 68.10M 82.65
- Künzel H., Bochnia R., Gibis R., Harde P., Passenberg W.:
Incorporation behaviour of manganese in MBE grown $Ga_{0.47}In_{0.53}As$.
Appl. Phys. A 51/6, 508-514 (1990) PACS: 68.55 61.70 73.60 73.20
- Lee C., Takai M., Yada T., Kato K., Namba S.:
Laser-induced trench etching of GaAs in aqueous KOH solution.
Appl. Phys. A 51/4, 340-343 (1990) PACS: 81.40 82.65
- Lim A.S., Atrens A.:
ESCA studies of nitrogen-containing stainless steels.
Appl. Phys. A 51/5, 411-418 (1990) PACS: 68.45 81.60
- Okano K., Kiyota H., Iwasaki T., Nakamura Y., Akiba Y., Kurosu T., Iida M., Nakamura T.:
Synthesis of n-type semiconducting diamond film using diphosphorus pentaoxide as the doping source.
Appl. Phys. A 51/4, 344-346 (1990) PACS: 68.55 73.60 72.20
- Rao G.M., Panchapagesan T.S., Mohan S.:
Preparation and characterization of Cu- Cu_2O cermet films.
Appl. Phys. A 51/5, 423-426 (1990) PACS: 81.15C 81.40
- Sanda H., Takai M., Namba S.:
Laser-induced local modification of magnetic properties of 301 stainless steel.
Appl. Phys. A 51/2, 151-154 (1990) PACS: 81.40 81.60 75.70
- Scamarcio G., Tapfer L., König W., Ploog K., Cingolani A.:
Dependence of "Reststrahlen" bands in far-infrared reflectivity on configuration of GaAs/AlAs multiple quantum well heterostructures.
Appl. Phys. A 51/3, 252-254 (1990) PACS: 68.65 78.30 78.65
- Schröder T., Rudolph W., Govorkov S.V., Shumay I.L.:
Femtosecond laser-induced melting of GaAs probed by optical second-harmonic generation.
Appl. Phys. A 51/1, 49-51 (1990) PACS: 68.65 07.65

Surfaces and Multilayers

- Al-Refaie S.N.:
Investigation of the low frequency dispersion of InP-oxide using a new Cole-Cole double-arc distribution.
Appl. Phys. A 51/5, 419-422 (1990) PACS: 73.40R 73.40 73.60
- Angadi M.A., Thanigaimani V.:
Optical properties of MnAl films.
Appl. Phys. A 51/5, 446-450 (1990) PACS: 78.65
- Artamonov V.V., Valakh M.Y., Romanyuk B.N., Rudskoy I.V., Strelchuk V.V.:
Raman spectroscopic studies of planar gettering effects.
Appl. Phys. A 51/3, 264-267 (1990) PACS: 78.30G 78.30
- Artamonov V.V., Valakh M.Y., Lysenko V.S., Nazarov A.N.,

Shafeev G.A., Voronov V.V.:

Formation of oriented structures by laser heating of solid-solid interfaces.

Appl. Phys. A 51/2, 160-162 (1990) PACS:44.30 61.50 78.30

Singh J., Itoh N.:

Microscopic theory of desorption of neutral atoms due to high excitonic density at the surfaces of III-V compounds.

Appl. Phys. A 51/5, 427-433 (1990) PACS:72.90 73.20 73.90

Svorcik V., Rybka V.:

Effect of laser light on n-GaAs photoetching.

Appl. Phys. A 51/1, 61-63 (1990) PACS:81.60 82.65

Taglauer E.:

Surface cleaning using sputtering.

Appl. Phys. A 51/3, 238-251 (1990) PACS:79.20 68.35 81.60 61.80

Ugolini D., Tuilier M.-H., Eitle J., Schelz S., Wang J.Q., Oelhafen P.:

Direct ion beam deposition of polymeric styrene films and in situ characterization by electron spectroscopy.

Appl. Phys. A 51/6, 526-536 (1990) PACS:73.60H 79.60 81.15 81.20

Weber A., Suhr H., Schumann H., Köhn R.-D.:

Thin yttrium and rare earth oxide films by plasma enhanced CVD of novel organometallic π -complexes.

Appl. Phys. A 51/6, 520-525 (1990) PACS:81.15G 52.90 68.55

Name	First Author	Applied Physics	PACS	Name	First Author	Applied Physics	PACS
Acker W.P.	Acker W.P.	B 51/1, 9-16 (1990)	42.65	Choroba S.	Choroba S.	B 51/6, 379-385 (1990)	42.55
Akahane T.	Akahane T.	A 51/2, 146-150 (1990)	07.77	Christov I.P.	Danailov M.B.	B 51/4, 300-302 (1990)	42.55M
Akiba Y.	Okano K.	A 51/4, 344-346 (1990)	68.55	Christov I.P.	Michailov N.I.	B 51/2, 171-176 (1990)	42.60
Akitt D.	Akitt D.	B 51/5, 326-328 (1990)	42.55D	Cignoli F.	Zizak G.	B 51/1, 67-70 (1990)	07.65
Aktas G.	Esme I.	A 51/6, 481-485 (1990)	72.20	Cil C.Z.	Esme I.	A 51/6, 481-485 (1990)	72.20
Al-Refaie S.N.	Al-Refaie S.N.	A 51/5, 419-422 (1990)	73.40R	Cingolani A.	Scarmario G.	A 51/3, 252-254 (1990)	68.65
Alaoui Z.K.	Bernede J.C.	A 51/2, 155-159 (1990)	68.55	Cirič I.	Mitrović M.M.	A 51/5, 374-378 (1990)	61.10
Alden M.	Kröll S.	B 51/1, 25-30 (1990)	42.65D	Cockayne B.	Yamaga M.	B 51/5, 329-335 (1990)	42.70
Al Dhahir R.K.	Al Dhahir R.K.	B 51/1, 81-85 (1990)	87.00	Conrad H.	Tüshaus M.	A 51/2, 91-98 (1990)	68.35R
Amaral L.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80	Corts T.	Corts T.	A 51/6, 537-545 (1990)	61.80
Amelinckx S.	Verwerft M.	A 51/4, 332-336 (1990)	61.14F	Cosma V.	Deac I.	B 51/3, 211-214 (1990)	33.00
Ames F.	Ames F.	B 51/3, 200-206 (1990)	07.77	Costa A.F. da	Costa A.F. da	B 51/3, 227-232 (1990)	42.60
Angadi M.A.	Angadi M.A.	A 51/5, 446-450 (1990)	78.65	Cottareau M.J.	Cottareau M.J.	B 51/1, 63-66 (1990)	33.00
ARAI S.	MA P.	B 51/2, 103-107 (1990)	82.50	Coulombe B.	O'Neill C.	B 51/2, 116-120 (1990)	42.65K
Arnold A.	Arnold A.	B 51/2, 99-102 (1990)	82.40P	Coutant B.	Hung N.D.	B 51/1, 75-79 (1990)	42.60
Arnold A.	Ketterle W.	B 51/2, 91-93 (1990)	42.55G				
Artamonov V.V.	Artamonov V.V.	A 51/3, 264-267 (1990)	78.30G	D'Amico K.L.	Lee C.H.	A 51/3, 191-193 (1990)	68.35R
Artamonov V.V.	Artamonov V.V.	A 51/5, 434-436 (1990)	78.30G	Dagata J.A.	Dagata J.A.	B 51/6, 443-450 (1990)	82.50
Atrens A.	Lim A.S.	A 51/5, 411-418 (1990)	68.45	Danailov M.B.	Danailov M.B.	B 51/4, 300-302 (1990)	42.55M
Attal-Trétout B.	Attal-Trétout B.	B 51/1, 17-24 (1990)	42.65D	Datta P.	Bhar G.C.	B 51/5, 317-319 (1990)	42.60H
Attenberger T.	Kanaan Y.	B 51/5, 336-341 (1990)	78.50N	Deac I.	Deac I.	B 51/3, 211-214 (1990)	33.00
Azinovič D.	Azinovič D.	B 51/6, 427-430 (1990)	33.80K	Debowska E.	Baranowski A.	A 51/1, 23-27 (1990)	78.70B
				Denariez-Roberge M.	O'Neill C.	B 51/2, 116-120 (1990)	42.65K
Baker C.A.	Porter F.M.	B 51/1, 31-38 (1990)	42.65	Derzhiev V.	Derzhiev V.	B 51/6, 465-468 (1990)	42.55H
Balynas V.	Balynas V.	A 51/4, 357-360 (1990)	72.20	Desnica U.V.	Desnica U.V.	A 51/5, 379-381 (1990)	71.55E
Balzer W.	Neubecker R.	B 51/4, 258-262 (1990)	42.65	Desnica U.V.	Desnica U.V.	A 51/5, 379-381 (1990)	71.55E
Baranowski A.	Baranowski A.	A 51/1, 23-27 (1990)	78.70B	Dhars H.	Dymont F.	A 51/1, 29-33 (1990)	66.10C
Barlow R.S.	Dibble R.W.	B 51/1, 39-43 (1990)	33.35	Dibble R.W.	Dibble R.W.	B 51/1, 39-43 (1990)	33.35
Bauer E.	Bauer E.	A 51/2, 71-78 (1990)	68.35M	Dickens P.G.	Powell A.V.	A 51/3, 226-230 (1990)	61.12
Bauer E.	Pavlovskia A.	A 51/3, 171-182 (1990)	68.35B	Dienstbier M.	Dienstbier M.	B 51/2, 137-140 (1990)	06.00
Blaüerle D.	Kirichenko N.	A 51/6, 498-507 (1990)	42.50	Dinev S.G.	Dinev S.G.	B 51/4, 263-266 (1990)	42.65
Beauvais J.	Beauvais J.	A 51/6, 515-519 (1990)	42.30	DING L.E.	MA L.S.	B 51/3, 233-237 (1990)	07.56B
Becker H.	Arnold A.	B 51/2, 99-102 (1990)	82.40P	Ding X.L.	Voigt J.	A 51/4, 317-321 (1990)	75.70
Behar M.	Dymont F.	A 51/1, 29-33 (1990)	66.10C	Döbele H.F.	Bornemann T.	B 51/5, 307-313 (1990)	52.70
Behar M.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80	Doyen G.	Doyen G.	A 51/4, 281-288 (1990)	68.35
Benecchi S.	Zizak G.	B 51/1, 67-70 (1990)	07.65	Dyer P.E.	Dyer P.E.	B 51/5, 314-316 (1990)	82.50
Benes R.	Dienstbier M.	B 51/2, 137-140 (1990)	06.00	Dyer P.E.	Al Dhahir R.K.	B 51/1, 81-85 (1990)	87.00
Bengtsson P.-E.	Kröll S.	B 51/1, 25-30 (1990)	42.65D	Dymont F.	Dymont F.	A 51/1, 29-33 (1990)	66.10C
Bernage P.	Wrobel R.	B 51/6, 458-464 (1990)	33.50				
Bernardini J.	Menai A.	A 51/2, 141-145 (1990)	78.70B	Eiswirth R.M.	Eiswirth R.M.	A 51/2, 79-90 (1990)	68.10I
Berndt W.	Tüshaus M.	A 51/2, 91-98 (1990)	68.35R	Eitle J.	Ugolini D.	A 51/6, 526-536 (1990)	73.60H
Bernede J.C.	Bernede J.C.	A 51/2, 155-159 (1990)	68.55	Elkhakani M.A.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80
Bezrodny A.E.	Bezrodny A.E.	B 51/3, 197-199 (1990)	07.00	Elmers H.J.	Elmers H.J.	A 51/3, 255-263 (1990)	75.30E
Bhar G.C.	Bhar G.C.	B 51/5, 317-319 (1990)	42.60H	Em K.	Ogawa T.	B 51/6, 431-436 (1990)	42.60F
BI Z.Y.	MA L.S.	B 51/3, 233-237 (1990)	07.56B	Ertl G.	Eiswirth R.M.	A 51/2, 79-90 (1990)	68.10I
Black J.E.	Black J.E.	A 51/2, 121-125 (1990)	68.35R	Esme I.	Esme I.	A 51/6, 481-485 (1990)	72.20
Blatt R.	Schubert M.	B 51/6, 414-417 (1990)	32.70J	Esswein A.	Esswein A.	A 51/5, 382-386 (1990)	61.40D
Blauer J.A.	Yang T.T.	B 51/6, 451-453 (1990)	33.50D	Evans A.G.R.	Murray D.C.	A 51/4, 337-339 (1990)	73.40Q
Blondeau J.M.	Wrobel R.	B 51/6, 458-464 (1990)	33.50				
Bochnia R.	Künzel H.	A 51/6, 508-514 (1990)	68.55	Fauster Th.	Schuppler S.	A 51/4, 322-326 (1990)	73.20A
Bogner U.	Kanaan Y.	B 51/5, 336-341 (1990)	78.50N	FENG H.	FENG H.	A 51/5, 394-397 (1990)	78.50E
Bolse W.	Corts T.	A 51/6, 537-545 (1990)	61.80	Feudel T.	Posselt M.	A 51/1, 1-5 (1990)	61.70T
Bombach R.	Bombach R.	B 51/1, 59-60 (1990)	33.20F	Fickenscher M.	Fickenscher M.	B 51/3, 207-210 (1990)	42.55M
Borgmann D.	Witan K.	A 51/2, 132-136 (1990)	68.10J	Fink R.	Voigt J.	A 51/4, 317-321 (1990)	75.70
Bornemann T.	Bornemann T.	B 51/5, 307-313 (1990)	52.70	Fischer N.	Schuppler S.	A 51/4, 322-326 (1990)	73.20A
Böttcher V.	Choroba S.	B 51/6, 379-385 (1990)	42.55	Flytznis Chr.	Roussignol Ph.	B 51/6, 437-442 (1990)	42.65
Bouchardy P.	Attal-Trétout B.	B 51/1, 17-24 (1990)	42.65D	Francesconi M.	Francesconi M.	B 51/1, 87-90 (1990)	32.90
Bower R.D.	Yang T.T.	B 51/6, 451-453 (1990)	33.50D				
Bradshaw A.M.	Tüshaus M.	A 51/2, 91-98 (1990)	68.35R	Gadkari S.C.	Muthe K.P.	A 51/1, 65-67 (1990)	74.90
Brechignac P.	Hung N.D.	B 51/1, 75-79 (1990)	42.60	Gadzuk J.W.	Gadzuk J.W.	A 51/2, 108-114 (1990)	68.35J
Brenig W.	Brenig W.	A 51/2, 115-120 (1990)	82.20F	Galarneau P.	Beauvais J.	A 51/6, 515-519 (1990)	42.30
Brijs G.	Norström H.	A 51/6, 459-466 (1990)	81.15	Galarneau P.	O'Neill C.	B 51/2, 116-120 (1990)	42.65K
Browne D.A.	Browne D.A.	A 51/3, 194-202 (1990)	68.35R	GAO J.	XIE C.	B 51/3, 215-218 (1990)	42.65J
Brumm T.	Ames F.	B 51/3, 200-206 (1990)	07.77	Gao Y.	Yamaga M.	B 51/5, 329-335 (1990)	42.70
Brunel M.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80	Garcia B.J.	Garcia B.J.	A 51/5, 437-445 (1990)	61.70T
Brunetaud J.M.	Wrobel R.	B 51/6, 458-464 (1990)	33.50	Gateva S.V.	Cartaleva St.St.	B 51/4, 292-294 (1990)	42.55
				Gerber T.	Bombach R.	B 51/1, 59-60 (1990)	33.20F
Cameron S.D.	Miragliotta J.	A 51/3, 221-225 (1990)	82.65M	Gianfrani L.	Francesconi M.	B 51/1, 87-90 (1990)	32.90
Cartaleva St.St.	Cartaleva St.St.	B 51/4, 292-294 (1990)	42.55	Gibis R.	Künzel H.	A 51/6, 508-514 (1990)	68.55
Carter J.C.	Murray D.C.	A 51/4, 337-339 (1990)	73.40Q	Gill P.	Rowley W.R.C.	B 51/6, 421-426 (1990)	42.50
Cefalas A.C.	Skordoulis C.	B 51/2, 141-145 (1990)	42.60D	Giuntini J.C.	Henn F.E.G.	A 51/6, 455-458 (1990)	05.60
Cerofolini G.F.	Cerofolini G.F.	A 51/6, 467-475 (1990)	06.00	Godefroy G.	Holtmann L.	A 51/1, 13-17 (1990)	61.70
Cervenka M.R.	Akitt D.	B 51/5, 326-328 (1990)	42.55D	Goncharov A.N.	Goncharov A.N.	B 51/2, 108-115 (1990)	07.60
Chakrabarti A.	White J.D.	B 51/5, 371-373 (1990)	33.80B	Goodman D.W.	JIANG X.	A 51/2, 99-107 (1990)	82.65J
Chang R.K.	Acker W.P.	B 51/1, 9-16 (1990)	42.65	Gorelikonok A.T.	Balynas V.	A 51/4, 357-360 (1990)	72.20
Chatterjee U.	Bhar G.C.	B 51/5, 317-319 (1990)	42.60H	Govorkov S.V.	Schröder T.	A 51/1, 49-51 (1990)	68.65
Chebotaev V.P.	Chebotaev V.P.	B 51/4, 303-306 (1990)	42.65	Gradmunn U.	Elmers H.J.	A 51/3, 255-263 (1990)	75.30E
Chebotaev V.P.	Goncharov A.N.	B 51/2, 108-115 (1990)	07.60	Grande P.L.	Dymont F.	A 51/1, 29-33 (1990)	66.10C
CHEN C.	CHEN C.	A 51/5, 405-410 (1990)	68.55R	Greenhalgh D.A.	Porter F.M.	B 51/1, 31-38 (1990)	42.65
CHEN J.-T.	CHEN J.-T.	B 51/2, 222-226 (1990)	36.00	Gregory D.A.	Lu X.J.	B 51/2, 153-164 (1990)	42.30
Chiba T.	Akahane T.	A 51/2, 146-150 (1990)	07.77	Griessl M.	Esswein A.	A 51/5, 382-386 (1990)	61.40D
Chiwaki M.	Akahane T.	A 51/2, 146-150 (1990)	07.77	Grisch F.	Cottareau M.J.	B 51/1, 63-66 (1990)	33.00

Name	First Author	Applied Physics	PACS	Name	First Author	Applied Physics	PACS
Guerra J.M.	Pastor I.	B 51/5, 342-349 (1990)	42.55M	Krotkus A.	Balynas V.	A 51/4, 357-360 (1990)	72.20
Gundusharma U.M.	Gundusharma U.M.	A 51/1, 7-12 (1990)	66.30	Küchenhoff S.	Brenig W.	A 51/2, 115-120 (1990)	82.20F
Gupta M.K.	Muthe K.P.	A 51/1, 65-67 (1990)	74.90	Kühnle G.	B 51/1, 71-74 (1990)	42.60	
Gupta P.K.	Sinha S.	B 51/4, 295-299 (1990)	42.60B	Künzel H.	Künzel H.	A 51/6, 508-514 (1990)	68.55
				Kurosu T.	Okano K.	A 51/4, 344-346 (1990)	68.55
				Kuz'menko V.A.	Laptev V.B.	B 51/6, 454-457 (1990)	82.50
Hadjichristov G.B.	Dinev S.G.	B 51/4, 263-266 (1990)	42.65	Landuyt J. van	Verwerft M.	A 51/4, 332-336 (1990)	61.14F
Hähner G.	Hähner G.	A 51/3, 208-215 (1990)	68.35J	Lange B.	Lange B.	B 51/1, 53-58 (1990)	42.65D
Hakim M.B.	Hakim M.B.	A 51/5, 369-373 (1990)	61.10	Lange B.	Wenzel N.	B 51/1, 61-62 (1990)	42.65
Hall R.B.	Miragliotta J.	A 51/3, 221-225 (1990)	82.65M	Lanig P.	Sutrop W.	A 51/3, 231-237 (1990)	71.55H
Hammerich M.	Henningsen J.	B 51/4, 272-284 (1990)	42.55D	Laptev V.B.	Laptev V.B.	B 51/6, 454-457 (1990)	82.50
Harde P.	Künzel H.	A 51/6, 508-514 (1990)	68.55	Fickenscher M.	B 51/3, 207-210 (1990)	42.55M	
Haug A.	Haug A.	A 51/4, 354-356 (1990)	79.20F	Lebrecht A.	Esswein A.	A 51/5, 382-386 (1990)	61.40D
Hayden C.C.	Hayden C.C.	B 51/5, 350-357 (1990)	42.65J	Ledee J.J.	Wrobel R.	B 51/6, 458-464 (1990)	33.50
Hemmerling B.	Bombach R.	B 51/1, 59-60 (1990)	33.20F	Lee C.	Lee C.	A 51/4, 340-343 (1990)	81.40
Henderson B.	Yamaga M.	B 51/2, 132-136 (1990)	42.70	Lee C.H.	Lee C.H.	A 51/3, 191-193 (1990)	68.35R
Henderson B.	Yamaga M.	B 51/5, 329-335 (1990)	42.70	Leiderer P.	Herminghaus S.	A 51/4, 350-353 (1990)	07.60
Henn F.E.G.	Henn F.E.G.	A 51/6, 455-458 (1990)	05.60	Lempert W.	Miles R.	B 51/1, 1-7 (1990)	47.80V
Henningsen J.	Henningsen J.	B 51/4, 272-284 (1990)	42.55D	Lessard R.A.	Beauvais J.	A 51/6, 515-519 (1990)	42.30
Herminghaus S.	Herminghaus S.	A 51/4, 350-353 (1990)	07.60	LI F.-b.	LI F.-b.	A 51/4, 327-331 (1990)	62.20
Hill S.C.	Acker W.P.	B 51/1, 9-16 (1990)	42.65	LI F.-b.	LI F.-b.	A 51/5, 398-404 (1990)	68.35F
Hoheisel W.	Hoheisel W.	A 51/4, 271-180 (1990)	36.40	LI F.-b.	XIE C.	B 51/3, 215-218 (1990)	42.65J
Holtmann L.	Holtmann L.	A 51/1, 13-17 (1990)	61.70	Liang K.S.	Lee C.H.	A 51/3, 191-193 (1990)	68.35R
Holzschuh H.	Holzschuh H.	A 51/6, 486-490 (1990)	81.15G	Lieb K.P.	Corts T.	A 51/6, 537-545 (1990)	61.80
Hooker S.M.	Hooker S.M.	B 51/2, 127-131 (1990)	42.55H	Liedenbaum C.	Wichmann B.	B 51/5, 358-363 (1990)	33.00
Horn K.	Horn K.	A 51/4, 289-304 (1990)	73.40L	Lim A.S.	Lim A.S.	A 51/5, 411-418 (1990)	68.45
Huang Y.K.	Costa A.F. da	B 51/3, 227-232 (1990)	42.60	Lin M.C.	Dagata J.A.	B 51/6, 443-450 (1990)	82.50
Huber C.A.	Huber T.E.	A 51/2, 137-140 (1990)	82.65M	LU M.-h.	TSAL J.-h.	B 51/6, 386-394 (1990)	42.60
Huber T.E.	Huber T.E.	A 51/2, 137-140 (1990)	82.65M	Lu X.J.	Lu X.J.	B 51/2, 153-164 (1990)	42.30
Hubschmid W.	Bombach R.	B 51/1, 59-60 (1990)	33.20F	Luckscheiter B.	Voigt J.	A 51/4, 317-321 (1990)	75.70
Hufnagel F.	Esswein A.	A 51/5, 382-386 (1990)	61.40D	Lüpke G.	Marowsky G.	B 51/1, 49-51 (1990)	42.65
Huguenin D.	Menai A.	A 51/2, 141-145 (1990)	78.70B	Lüthy W.	Josten G.	B 51/6, 418-420 (1990)	42.80M
Hung N.D.	Hung N.D.	B 51/1, 75-79 (1990)	42.60	Lysenko V.S.	Artamonov V.V.	A 51/5, 434-436 (1990)	78.30G
Hunziker H.E.	Meijer G.	B 51/6, 395-403 (1990)	35.80				
				MA L.S.	MA L.S.	B 51/3, 233-237 (1990)	07.56B
Ignaciuk M.	Konefal Z.	B 51/4, 285-291 (1990)	32.80W	MA P.	MA P.	B 51/2, 103-107 (1990)	82.50
Iida M.	Okano K.	A 51/4, 344-346 (1990)	68.55	Maex K.	Norström H.	A 51/6, 459-466 (1990)	81.15
Ilyukhin A.A.	Ilyukhin A.A.	B 51/3, 192-196 (1990)	42.65	Magre P.	Attal-Trétout B.	B 51/1, 17-24 (1990)	42.65D
Inguscio M.	Francesconi M.	B 51/1, 87-90 (1990)	32.90	Maier F.	Kanaan Y.	B 51/5, 363-341 (1990)	78.50N
Itoh N.	Singh J.	A 51/5, 427-433 (1990)	72.90	Marczewski M.	Strzalkowski I.	A 51/1, 19-22 (1990)	73.60H
Iwasaki T.	Okano K.	A 51/4, 344-346 (1990)	68.55	Marest G.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80
				Marie J.J.	Cottreau M.J.	B 51/1, 63-66 (1990)	33.00
Jäger K.	Ames F.	B 51/3, 200-206 (1990)	07.77	Marinelli Marco	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
Janus H.W.	Musieliok J.	B 51/2, 165-170 (1990)	52.70	Marinelli Massimo	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
Janzen A.	Black J.E.	A 51/2, 121-125 (1990)	68.35R	Marowsky G.	Marowsky G.	B 51/1, 49-51 (1990)	42.65
Jelenski W.	Musieliok J.	B 51/2, 165-170 (1990)	52.70	Ilyukhin A.A.	Ilyukhin A.A.	B 51/3, 192-196 (1990)	42.65
JIANG X.	JIANG X.	A 51/2, 99-107 (1990)	82.65J	Wenzel N.	Wenzel N.	B 51/1, 61-62 (1990)	42.65
Jones T.S.	Richardson N.V.	A 51/2, 126-131 (1990)	82.65Y	Marinelli Massimo	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
Joseph J.	Joseph J.	B 51/3, 219-221 (1990)	42.80	Garcia B.J.	Garcia B.J.	A 51/5, 437-445 (1990)	61.70T
Josten G.	Josten G.	B 51/6, 418-420 (1990)	42.80M	Dibble R.W.	Dibble R.W.	B 51/1, 39-43 (1990)	33.35
Jouanne M.	Jouanne M.	A 51/4, 347-349 (1990)	68.65	Costa A.F. da	Costa A.F. da	B 51/3, 227-232 (1990)	42.60
Julien C.	Jouanne M.	A 51/4, 347-349 (1990)	68.65	McMichael I.	Saxena R.	B 51/4, 243-253 (1990)	42.50
				Mecozzi M.G.	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
Kanaan Y.	Kanaan Y.	B 51/5, 336-341 (1990)	78.50N	Meienburg W.	Meienburg W.	B 51/2, 94-98 (1990)	42.60B
Karelin A.	Drezniev V.	B 51/6, 465-468 (1990)	42.55H	Meier B.	Meier B.	B 51/6, 404-413 (1990)	42.65C
Kasai H.	Brenig W.	A 51/2, 115-120 (1990)	82.20F	Meijer G.	Meijer G.	B 51/6, 395-403 (1990)	35.80
Kasuya T.	Suzuki T.	B 51/5, 374-378 (1990)	32.80F	Menai A.	Menai A.	A 51/2, 141-145 (1990)	78.70B
Kato K.	Lee C.	A 51/4, 340-343 (1990)	81.40	Menzel D.	Menzel D.	A 51/3, 163-171 (1990)	79.20
Ketterle W.	Arnold A.	B 51/2, 99-102 (1990)	82.40P	Michailov N.I.	Michailov N.I.	B 51/2, 171-176 (1990)	42.60
Ketterle W.	Ketterle W.	B 51/2, 91-93 (1990)	42.55G	Mikado T.	Akahane T.	A 51/2, 146-150 (1990)	07.77
King T.A.	ZHANG J.-Y.	B 51/2, 121-126 (1990)	42.55H	Miles R.	Miles R.	B 51/1, 1-7 (1990)	47.80V
Kirchner R.	Ames F.	B 51/3, 200-206 (1990)	07.77	Minutolo P.	Francesconi M.	B 51/1, 87-90 (1990)	32.90
Kirichenko N.	Kirichenko N.	A 51/6, 498-507 (1990)	42.50	Miragliotta J.	Miragliotta J.	A 51/3, 221-225 (1990)	82.65M
Kita H.	Ohno Y.	A 51/1, 35-47 (1990)	68.10J	Mitrović M.M.	Mitrović M.M.	A 51/5, 374-378 (1990)	61.10
Kiyota H.	Okano K.	A 51/4, 344-346 (1990)	68.55	Mohan S.	Rao G.M.	A 51/5, 423-426 (1990)	81.15C
Kleban P.	Browne D.A.	A 51/3, 194-202 (1990)	68.35R	Moncoffre N.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80
Kluge H.-J.	Ames F.	B 51/3, 200-206 (1990)	07.77	More R.	More R.	A 51/3, 203-207 (1990)	85.65
Knothe P.	Kögler R.	A 51/1, 53-59 (1990)	61.70T	Moser P.	Menai A.	A 51/2, 141-145 (1990)	78.70B
Knystautas E.J.	Beauvais J.	A 51/6, 515-519 (1990)	42.30	Moya G.	Menai A.	A 51/2, 141-145 (1990)	78.70B
Koetter E.	Doyen G.	A 51/4, 281-288 (1990)	68.35	Muresan L.	Deac I.	B 51/3, 211-214 (1990)	33.00
Kögler R.	Kögler R.	A 51/1, 53-59 (1990)	61.70T	Murray D.C.	Murray D.C.	A 51/4, 337-339 (1990)	73.40Q
Köhn R.-D.	Weber A.	A 51/6, 520-525 (1990)	81.15G	Murtas F.	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
Konefal Z.	Konefal Z.	B 51/4, 285-291 (1990)	32.80W	Musieliok J.	Musieliok J.	B 51/2, 165-170 (1990)	52.70
König W.	Scamarcio G.	A 51/3, 252-254 (1990)	68.65	Muthe K.P.	Muthe K.P.	A 51/1, 65-67 (1990)	74.90
Kornas V.	Bornemann T.	B 51/5, 307-313 (1990)	52.70				
Kowalski M.	Strzalkowski I.	A 51/1, 19-22 (1990)	73.60H	Nahme H.	Nahme H.	B 51/3, 177-191 (1990)	42.55F
Krätzig E.	Holtmann L.	A 51/1, 13-17 (1990)	61.70	Nakamura T.	Ohno Y.	A 51/1, 35-47 (1990)	68.10J
Krätzig E.	Rupp R.A.	B 51/5, 364-370 (1990)	42.40	Nakamura T.	Okano K.	A 51/4, 344-346 (1990)	68.55
Krausch G.	Voigt J.	A 51/4, 317-321 (1990)	75.70	Nakamura Y.	Okano K.	A 51/4, 344-346 (1990)	68.55
Kreuzer H.J.	Kreuzer H.J.	A 51/3, 183-190 (1990)	82.63D	Namba S.	Lee C.	A 51/4, 340-343 (1990)	81.40
Kreuzer H.J.	Kreuzer H.J.	A 51/6, 491-497 (1990)	68.10M		Sanda H.	A 51/2, 151-154 (1990)	81.40
Krischer K.	Eiswirth R.M.	A 51/2, 79-90 (1990)	68.10I				
Kröll S.	Kröll S.	B 51/1, 25-30 (1990)	42.65D				

Name	First Author	Applied Physics	PACS	Name	First Author	Applied Physics	PACS
Nassisi V.	Nassisi V.	B 51/4, 254-257 (1990)	42.55	Schröder T.	Schröder T.	A 51/1, 49-51 (1990)	68.65
Nazarov A.N.	Artamonov V.V.	A 51/5, 434-436 (1990)	78.30G	Schubert M.	Schubert M.	B 51/6, 414-417 (1990)	32.70J
Neckel H.	Meienburg W.	B 51/2, 94-98 (1990)	42.60B	Schudel D.	Dyer P.E.	B 51/5, 314-316 (1990)	82.50
Neubecker R.	Neubecker R.	B 51/4, 258-262 (1990)	42.65	Schulte U.	Hoheisel W.	A 51/4, 271-180 (1990)	36.40
Niay P.	Wobbel R.	B 51/6, 458-464 (1990)	33.50	Schulz v.d.Gathen	Bornemann T.	B 51/5, 307-313 (1990)	52.70
Nikumb S.K.	Akitt D.	B 51/5, 326-328 (1990)	42.55D	Schumann H.	Weber A.	A 51/6, 520-525 (1990)	81.15G
Nilson D.	Kröll S.	B 51/1, 25-30 (1990)	42.65D	Schuppler S.	Schuppler S.	A 51/4, 322-326 (1990)	73.20A
Norström H.	Norström H.	A 51/6, 459-466 (1990)	81.15	Schwabl F.	Prusseit-Elffroth	A 51/5, 361-368 (1990)	78.30
				Schwentner N.	Nahme H.	B 51/3, 177-191 (1990)	42.55F
O'Donnell K.P.	Yamaga M.	B 51/2, 132-136 (1990)	42.70	Scudieri F.	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
O'Donnell K.P.	Yamaga M.	B 51/5, 329-335 (1990)	42.70	Scully M.O.	Scully M.O.	B 51/3, 238-241 (1990)	42.60
O'Neill C.	O'Neill C.	B 51/2, 116-120 (1990)	42.65K	Secco E.A.	Gundusharma U.M.	A 51/1, 9-12 (1990)	66.30
Oelhafen P.	Ugolini D.	A 51/6, 526-536 (1990)	73.60H	Seguin H.J.J.	Akitt D.	B 51/5, 326-328 (1990)	42.55D
Ogawa T.	Ogawa T.	B 51/6, 431-436 (1990)	42.60F	Sekine T.	Jouanne M.	A 51/4, 347-349 (1990)	68.65
Ohno Y.	Ohno Y.	A 51/1, 35-47 (1990)	68.10J	Semibalamut V.M.	Bezrodny A.E.	B 51/3, 197-199 (1990)	07.00
Okano K.	Okano K.	A 51/4, 344-346 (1990)	68.55	Sereda O.	Derzhiev V.	B 51/6, 465-468 (1990)	42.55H
Olafsson A.	Henningsen J.	B 51/4, 272-284 (1990)	42.55D	Serpengüzel A.	Acker W.P.	B 51/1, 9-16 (1990)	42.65
Oldershaw G.A.	Dyer P.E.	B 51/5, 314-316 (1990)	82.50	Shafiev G.A.	Shafiev G.A.	A 51/2, 160-162 (1990)	44.30
Osipowicz T.	Corts T.	A 51/6, 537-545 (1990)	61.80	Sheu E.Y.	Lee C.H.	A 51/3, 191-193 (1990)	68.35R
Otto G.	Kögler R.	A 51/1, 53-59 (1990)	61.70T	Shiotani N.	Akahane T.	A 51/2, 146-150 (1990)	07.77
				Shirley J.A.	Shirley J.A.	B 51/1, 45-48 (1990)	33.20F
Panchapagesan T.S.	Rao G.M.	A 51/5, 423-426 (1990)	81.15C	Shmidt N.M.	Balyns V.	A 51/4, 357-360 (1990)	72.20
Passenberg W.	Künzel H.	A 51/6, 508-514 (1990)	68.55	Shumay I.L.	Schröder T.	A 51/1, 49-51 (1990)	68.65
Pastor I.	Pastor I.	B 51/5, 342-349 (1990)	42.55M	Siemers L.	Schubert M.	B 51/6, 414-417 (1990)	32.70J
Pavlovskaya A.	Pavlovskaya A.	A 51/3, 171-182 (1990)	68.35B	Silipis D.	Deac I.	B 51/3, 211-214 (1990)	33.00
Pealat M.	A tal-Tretout B.	B 51/1, 17-24 (1990)	42.65D	Singh J.	Singh J.	A 51/5, 427-433 (1990)	72.90
PENG K.	XIE C.	B 51/3, 215-218 (1990)	42.65J	Singh K.	Joseph J.	B 51/3, 219-221 (1990)	42.80
Pensl G.	Suttop W.	A 51/3, 231-237 (1990)	71.55H	Sinha S.	Sinha S.	B 51/4, 295-299 (1990)	42.60B
Penzkofer A.	Meier B.	B 51/6, 404-413 (1990)	42.65C	Sinha S.K.	Muthe K.P.	A 51/1, 65-67 (1990)	74.90
Perrone M.R.	Nassisi V.	B 51/4, 254-257 (1990)	42.55	Skordoulis C.	Skordoulis C.	B 51/2, 141-145 (1990)	42.60D
Persson B.	Tüshaus M.	A 51/2, 91-98 (1990)	68.35R	Skvortsov M.N.	Goncharov A.N.	B 51/2, 108-115 (1990)	07.60
Pichler G.	Azinovič D.	B 51/6, 427-430 (1990)	33.80K	Sladky P.	Dienstbier M.	B 51/2, 137-140 (1990)	06.00
Piglmayer K.	Kirichenko N.	A 51/6, 498-507 (1990)	42.50	Smirnov V.V.	Ilyukhin A.A.	B 51/3, 192-196 (1990)	42.65
Pillai P.K.C.	Joseph J.	B 51/3, 219-221 (1990)	42.80	Smith U.	Norström H.	A 51/6, 459-466 (1990)	81.15
Piqueras J.	Garcia B.J.	A 51/5, 437-445 (1990)	61.70T	Sommerfeldt R.	Rupp R.A.	B 51/5, 364-370 (1990)	42.40
Pizzoferrato R.	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H	Spyrou S.	Skordoulis C.	B 51/2, 141-145 (1990)	42.60D
Platzer R.	Voigt J.	A 51/4, 317-321 (1990)	75.70	Staltonis A.	Balyns V.	A 51/4, 357-360 (1990)	72.20
Ploog K.	Scamarcio G.	A 51/3, 252-254 (1990)	68.65	Starner S.H.	Dibble R.W.	B 51/1, 39-43 (1990)	33.35
Polizotti R.S.	Miragliotta J.	A 51/3, 221-225 (1990)	82.65M	Stefanova M.	Derzhiev V.	B 51/6, 465-468 (1990)	42.55H
Porter F.M.	Porter F.M.	B 51/1, 31-38 (1990)	42.65	Steinmann W.	Schuppler S.	A 51/4, 322-326 (1990)	73.20A
Posselt M.	Posselt M.	A 51/1, 1-5 (1990)	61.70T	Stopford P.J.	Porter F.M.	B 51/1, 31-38 (1990)	42.65
Pouzet J.	Bernede J.C.	A 51/2, 155-159 (1990)	68.55	Strelchuk V.V.	Artamonov V.V.	A 51/3, 264-267 (1990)	78.30G
Powell A.V.	Powell A.V.	A 51/3, 226-230 (1990)	61.12	Strelchuk V.V.	Artamonov V.V.	A 51/5, 434-436 (1990)	78.30G
Prusseit-Elffroth	Prusseit-Elffroth	A 51/5, 361-368 (1990)	78.30	Strzalkowski I.	Strzalkowski I.	A 51/1, 19-22 (1990)	73.60H
Purucker H.-G.	Fickenscher M.	B 51/3, 207-210 (1990)	42.55M	Suesse K.-E.	Suesse K.-E.	B 51/4, 267-271 (1990)	42.55M
Pykhov R.L.	Ilyukhin A.A.	B 51/3, 192-196 (1990)	42.65	Suesse K.-E.	Schmidt V.	B 51/5, 320-325 (1990)	42.55M
				SUGITA K.	MA P.	B 51/2, 103-107 (1990)	82.50
Rabinowitz P.	Miragliotta J.	A 51/3, 221-225 (1990)	82.65M	Sugiyama K.	Sugiyama K.	B 51/2, 146-152 (1990)	41.70
Ramos S.M.M.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80	Sanda H.	Sanda H.	A 51/2, 151-154 (1990)	81.40
Rao G.M.	Rao G.M.	A 51/5, 423-426 (1990)	81.15C	Suhr H.	Holzschuh H.	A 51/6, 486-490 (1990)	81.15G
Rasheed F.	Yamaga M.	B 51/5, 329-335 (1990)	42.70	Suhr H.	Weber A.	A 51/6, 520-525 (1990)	81.15G
Reid J.	White J.D.	B 51/5, 371-373 (1990)	33.80B	Suri B.M.	Ames F.	B 51/3, 200-206 (1990)	07.77
Rejfir P.	Dienstbier M.	B 51/2, 137-140 (1990)	06.00	Suttop W.	Suttop W.	A 51/3, 231-237 (1990)	71.55H
Reuss J.	Wichmann B.	B 51/5, 358-363 (1990)	33.00	Suzuki R.	Akahane T.	A 51/2, 146-150 (1990)	07.77
Ricard D.	Roussignol Ph.	B 51/6, 437-442 (1990)	42.65	Suzuki T.	Suzuki T.	B 51/5, 374-378 (1990)	32.80F
Richardson N.V.	Richardson N.V.	A 51/2, 126-131 (1990)	82.65Y	Svorcik V.	Svorcik V.	A 51/1, 61-63 (1990)	81.60
Rimke H.	Ames F.	B 51/3, 200-206 (1990)	07.77	Szatmári S.	Kühnle G.	B 51/1, 71-74 (1990)	42.60
Ringhofer K.H.	Rupp R.A.	B 51/5, 364-370 (1990)	42.40				
Ristić R.I.	Mitrovič M.M.	A 51/5, 374-378 (1990)	61.10	Taglauer E.	Taglauer E.	A 51/3, 238-251 (1990)	79.20
Romanyuk B.N.	Artamonov V.V.	A 51/3, 264-267 (1990)	78.30G	Takai M.	Lee C.	A 51/4, 340-343 (1990)	81.40
Roussignol Ph.	Roussignol Ph.	B 51/6, 437-442 (1990)	42.65	Takai M.	Sanda H.	A 51/2, 151-154 (1990)	81.40
Rowley W.R.C.	Rowley W.R.C.	B 51/6, 421-426 (1990)	42.50	Tanigawa S.	Akahane T.	A 51/2, 146-150 (1990)	07.77
Rudolph W.	Schröder T.	A 51/1, 49-51 (1990)	68.65	Tapfer L.	Scamarcio G.	A 51/3, 252-254 (1990)	68.65
Rudskoy I.V.	Artamonov V.V.	A 51/3, 264-267 (1990)	78.30G	Taran J.P.	Attal-Tretout B.	B 51/1, 17-24 (1990)	42.65D
Rupp R.A.	Rupp R.A.	B 51/5, 364-370 (1990)	42.40	Tellefsen J.A.	Balyns V.	A 51/4, 357-360 (1990)	72.20
Ryabov E.A.	Laptev V.B.	B 51/6, 454-457 (1990)	82.50	Tendeloo G. van	Verwerf M.	A 51/4, 332-336 (1990)	61.14F
Rybka V.	Svorcik V.	A 51/1, 61-63 (1990)	81.60	Teubner U.	Kühnle G.	B 51/1, 71-74 (1990)	42.60
				Thangaimani V.	Angadi M.A.	A 51/5, 446-450 (1990)	78.65
Sabharwal S.C.	Muthe K.P.	A 51/1, 65-67 (1990)	74.90	Thäter G.	Posselt M.	A 51/1, 1-5 (1990)	61.70T
Sanda H.	Sanda H.	A 51/2, 151-154 (1990)	81.40	Thevuthasan S.	Thevuthasan S.	A 51/3, 216-220 (1990)	68.35R
Santić B.	Desnica U.V.	A 51/5, 379-381 (1990)	71.55E	Tino G.M.	Francesconi M.	B 51/1, 87-90 (1990)	32.90
Sasso A.	Francesconi M.	B 51/1, 87-90 (1990)	32.90	Titov E.A.	Bezrodny A.E.	B 51/3, 197-199 (1990)	07.00
Savino E.	Dymont F.	A 51/1, 29-33 (1990)	66.10C	Toennies J.P.	Häher G.	A 51/3, 208-215 (1990)	68.35J
Saxena R.	Saxena R.	B 51/4, 243-253 (1990)	42.50	Tomimasu T.	Akahane T.	A 51/2, 146-150 (1990)	07.77
Scamarcio G.	Scamarcio G.	A 51/3, 252-254 (1990)	68.65	Tomov I.V.	Michailov N.I.	B 51/2, 171-176 (1990)	42.60
Schaefer J.A.	Schaefer J.A.	A 51/4, 305-316 (1990)	81.40	Tosa V.	Deac I.	B 51/3, 211-214 (1990)	33.00
Schäfer M.	Ketterle W.	B 51/2, 91-93 (1990)	42.55G	Tousset J.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80
Schatz G.	Voigt J.	A 51/4, 317-321 (1990)	75.70	Träger F.	Hoheisel W.	A 51/4, 271-180 (1990)	36.40
Scheffler M.	Doyen G.	A 51/4, 281-288 (1990)	68.35	Trautmann N.	Ames F.	B 51/3, 200-206 (1990)	07.77
Scholz S.	Ugolini D.	A 51/6, 526-536 (1990)	73.60H	Trebino R.	Hayden C.C.	B 51/5, 350-357 (1990)	42.65J
Schmidt V.	Schmidt V.	B 51/5, 320-325 (1990)	42.55M	TSAI J.-h.	TSAI J.-h.	B 51/6, 386-394 (1990)	42.60
Schreier K.	Eswain A.	A 51/5, 382-386 (1990)	61.40D	Tschudi T.	Neubecker R.	B 51/4, 258-262 (1990)	42.65

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TSONG T.T.	CHEN C.	A 51/5, 405-410 (1990)	68.55R	Wieser E.	Kögler R.	A 51/1, 53-59 (1990)	61.70T
Tsui K.H.	Costa A.F. da	B 51/3, 227-232 (1990)	42.60	Williams D.R.	Porter F.M.	B 51/1, 31-38 (1990)	42.65
Tuilier M.-H.	Ugolini D.	A 51/6, 526-536 (1990)	73.60H	Wislawski J.	Strzalkowski I.	A 51/1, 19-22 (1990)	73.60H
Tunamova L.M.	Laptev V.B.	B 51/6, 454-457 (1990)	82.50	Witan K.	Witan K.	A 51/2, 132-136 (1990)	68.10J
Tüshaus M.	Tshaus M.	A 51/2, 91-98 (1990)	68.35R	Wittmer M.	Wittmer M.	A 51/6, 451-454 (1990)	73.30
Ugolini D.	Ugolini D.	A 51/6, 526-536 (1990)	73.60H	Wöhrmann U.	Voigt J.	A 51/4, 317-321 (1990)	75.70
Unertl W.N.	Lee C.H.	A 51/3, 191-193 (1990)	68.35R	Wolfrum J.	Arnold A.	B 51/2, 99-102 (1990)	82.40P
Unertl W.N.	Thevuthasan S.	A 51/3, 216-220 (1990)	68.35R	Wolfrum J.	Lange B.	B 51/1, 53-58 (1990)	42.65D
Unland M.	Holtmann L.	A 51/1, 13-17 (1990)	61.70	Wolfrum J.	Meienburg W.	B 51/2, 94-98 (1990)	42.60B
Valakh M.Y.	Artamonov V.V.	A 51/3, 264-267 (1990)	78.30G	Wöll Ch.	Hähner G.	A 51/3, 208-215 (1990)	68.35J
Valakh M.Y.	Artamonov V.V.	A 51/5, 434-436 (1990)	78.30G	Woodgate B.E.	Hakim M.B.	A 51/5, 369-373 (1990)	61.10
Vandervorst W.	Norström H.	A 51/6, 459-466 (1990)	81.15	Wrobel R.	Wrobel R.	B 51/6, 458-464 (1990)	33.50
Vanhellemont J.	Norström H.	A 51/6, 459-466 (1990)	81.15	XIE C.	XIE C.	B 51/3, 215-218 (1990)	42.65J
Verwerft M.	Verwerft M.	A 51/4, 332-336 (1990)	61.14F	Yada T.	Lee C.	A 51/4, 340-343 (1990)	81.40
Vigneron J.P.	Doyen G.	A 51/4, 281-288 (1990)	68.35	Yakovlenko S.	Derzhiev V.	B 51/6, 465-468 (1990)	42.55H
Villa E.	Dagata J.A.	B 51/6, 443-450 (1990)	82.50	Yamaga M.	Yamaga M.	B 51/2, 132-136 (1990)	42.70
Voigt J.	Voigt J.	A 51/4, 317-321 (1990)	75.70	Yamaga M.	Yamaga M.	B 51/5, 329-335 (1990)	42.70
Vollmer M.	Hoheisel W.	A 51/4, 271-180 (1990)	36.40	Yamazaki T.	Akahane T.	A 51/2, 146-150 (1990)	07.77
Voronov V.V.	Shafeev G.A.	A 51/2, 160-162 (1990)	44.30	Yang T.T.	Yang T.T.	B 51/6, 451-453 (1990)	33.50D
Vries M.S. de,	Meijer G.	B 51/6, 395-403 (1990)	35.80	YANG X.	XIE C.	B 51/3, 215-218 (1990)	42.65J
WANG Hong	FENG H.	A 51/5, 394-397 (1990)	78.50E	Yeh P.	Saxena R.	B 51/4, 243-253 (1990)	42.50
WANG Huafa	FENG H.	A 51/5, 394-397 (1990)	78.50E	Yoda J.	Sugiyama K.	B 51/2, 146-152 (1990)	41.70
Wang J.Q.	Ugolini D.	A 51/6, 526-536 (1990)	73.60H	Yu B.	Browne D.A.	A 51/3, 194-202 (1990)	68.35R
Webb C.E.	Hooker S.M.	B 51/2, 127-131 (1990)	42.55H	Yu F.T.S.	Lu X.J.	B 51/2, 153-164 (1990)	42.30
Weber A.	Weber A.	A 51/6, 520-525 (1990)	81.15G	YU Z.-X.	CHEN J.-T.	B 51/3, 222-226 (1990)	36.00
Weber H.P.	Josten G.	B 51/6, 418-420 (1990)	42.80M	Yue G.	Yamaga M.	B 51/2, 132-136 (1990)	42.70
Wedler G.	Witan K.	A 51/2, 132-136 (1990)	68.10J	Zammit U.	Marinelli Massimo	A 51/5, 387-393 (1990)	78.20H
Weidner F.	Suesse K.-E.	B 51/4, 267-271 (1990)	42.55M	Zanchetta J.V.	Henn F.E.G.	A 51/6, 455-458 (1990)	05.60
Weidner F.	Schmidt V.	B 51/5, 320-325 (1990)	42.55M	Zawislak F.C.	Dymont F.	A 51/1, 29-33 (1990)	66.10C
Weidner P.	Meier B.	B 51/6, 404-413 (1990)	42.65C	Zawislak F.C.	Ramos S.M.M.	A 51/6, 476-480 (1990)	76.80
WEN J.	FENG H.	A 51/5, 394-397 (1990)	78.50E	ZHANG J.-Y.	ZHANG J.-Y.	B 51/2, 121-126 (1990)	42.55H
Wendt H.R.	Meijer G.	B 51/6, 395-403 (1990)	35.80	Zhang J.	Kreuzer H.J.	A 51/3, 183-190 (1990)	82.63D
Wenzel N.	Wenzel N.	B 51/1, 61-62 (1990)	42.65	Zhu Z.	Al Dhahir R.K.	B 51/1, 81-85 (1990)	87.00
White J.D.	White J.D.	B 51/5, 371-373 (1990)	33.80B	Zizak G.	Zizak G.	B 51/1, 67-70 (1990)	07.65
Wichmann B.	Wichmann B.	B 51/5, 358-363 (1990)	33.00				